

In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Currently Amended) A mail sorting bin insert, constructed to be disposed within a mail sorting bin, the insert comprising:

a bottom defining a substantially planar surface having a length and a width, wherein at least one of the length and the width substantially corresponds to at least one of a length and width of the a standard mail sorting bin as defined by the postal service; and

at least one support projecting upright from the bottom, wherein the support is sized and configured to support flat mail in a substantially vertical orientation and a slope height of the support is at least substantially as large as a width of the flat mail, and wherein each support is constructed such that a maximum height of the support approximates a maximum height of the mail sorting bin.

2. (Original) The mail sorting bin insert of Claim 1, wherein the insert comprises a lightweight material.

3. (Original) The mail sorting bin insert of Claim 2, wherein the insert comprises a material selected from the group consisting of cardboard, plastic, wood, and composites.

4. (Original) The mail sorting bin insert of Claim 1, wherein the insert comprises two supports.

5. (Currently Amended) The mail sorting bin insert of Claim 4, wherein the bottom of the insert comprises three substantially coplanar sections which are separated from each other by the two supports, and wherein the two support supports have substantially triangular-shaped cross sections.

6. (Original) The mail sorting bin insert of Claim 1, wherein the at least one support has a triangular-shaped cross section.

7. (Original) The mail sorting bin insert of Claim 1, wherein the bottom and at least one support are created from a single piece of material.

8. (Original) The mail sorting bin insert of Claim 7, wherein the at least one support is created by folding the single piece of material.

9. (Currently Amended) A mail sorting bin insert, constructed to be disposed within a mail sorting bin, the insert comprising at least one substantially rigid substantially vertical section projecting from a substantially horizontal section, wherein the insert is sized and configured to receive flat mail from an automatic mail sorter, ~~and a slope height of the at least one substantially vertical section is at least substantially as large as a width of the flat mail~~ wherein each substantially vertical section has a height of approximately 11 inches when the insert is disposed within the mail sorting bin.

10. (Original) The mail sorting bin insert of claim 9, wherein the insert comprises a lightweight material.

11. (Original) The mail sorting bin insert of claim 10, wherein the lightweight material is selected from the group consisting of cardboard, plastic, wood, and composites.

12. (Original) The mail sorting bin insert of claim 9, wherein the insert has two substantially vertical sections.

13. (Original) The mail sorting bin insert of claim 9, wherein the at least one substantially vertical section has a substantially triangular-shaped cross section.

14. (Canceled)

15. (Original) The mail sorting bin insert of claim 9, wherein the insert comprises a single piece of material.

16. (Original) The mail sorting bin insert of claim 15, wherein the insert is folded to create the substantially vertical sections and substantially horizontal sections.

17. (Currently Amended) The mail sorting bin insert of claim 9, wherein the height of each substantially vertical section ~~has a height, and the height of the substantially vertical section~~ approximates a height of ~~[[a]] the mail sorting bin used by the postal service.~~

18. (Original) The mail sorting bin insert of claim 9, wherein the insert comprises an anti-slip surface.

19. (Currently Amended) A mail sorting bin insert, constructed to be disposed within a mail sorting bin, the insert comprising:

a base defining a substantially planar surface, wherein the base is sized to substantially cover a bottom surface of ~~[[a]] the mail sorting bin as defined by the postal service;~~ and

a plurality of substantially vertical supports attached to the base, wherein each substantially vertical support has a slope height and a triangular-shaped cross section sized and configured to support flat mail in a substantially vertical orientation, and wherein ~~the slope height of at least one of the plurality of substantially vertical supports is at least substantially as large as a width of the flat mail and the insert is configured to permit automatic sorting of flat mail into carrier walk sequence~~ each substantially vertical support is constructed such that a maximum height of the support approximates a maximum height of the mail sorting bin.

20. (Currently Amended) A mail sorting ~~tub~~ bin insert, constructed to be disposed within a mail sorting bin, the insert comprising:

a flat sheet, wherein the flat sheet includes a plurality of sections and a plurality of predefined fold lines,

wherein two adjacent sections are separated by a predefined fold line,
wherein the predefined fold lines are arranged and configured such that when the flat sheet is folded at the predefined fold lines and disposed within the mail sorting bin, the sheet forms a base and at least one upright support ~~sized and configured~~ having a height of approximately 11 inches to support flat mail in an upright orientation[[,]]
~~and wherein a slope height of the upright support is at least substantially as large as a width of the flat mail.~~

21. (Currently Amended) The mail sorting tub insert according to claim 20, wherein the flat sheet has an upper surface and a lower surface, and wherein at least one predefined fold line on the upper surface permits a first section to rotate with respect to an adjacent second section in one direction, and wherein at least one predefined fold line on the lower surface permits a third section to rotate with respect to an adjacent fourth section in the other direction.

22. (Currently Amended) The mail sorting bin insert of claim 1, wherein the ~~standard~~ mail sorting bin is approximately 11 inches high ~~and a height of the at least one support approximates the height of the standard mail bin.~~

23. (Currently Amended) The mail sorting bin insert of claim [[9]] 19, wherein each substantially vertical support of the at least one substantially vertical section support has a height of approximately 11 inches.

24. (New) The mail sorting bin insert of claim 1, wherein the mail sorting bin is approximately 12 inches wide, 15 inches long, and 11 inches deep.

25. (New) The mail sorting bin insert of claim 9, wherein the mail sorting bin is approximately 12 inches wide, 15 inches long, and 11 inches deep.

26. (New) The mail sorting bin insert of claim 19, wherein the mail sorting bin is approximately 12 inches wide, 15 inches long, and 11 inches deep.

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27. (New) The mail sorting bin insert of claim 20, wherein the mail sorting bin is approximately 12 inches wide, 15 inches long, and 11 inches deep.